

CLAIMS

I claim:

1. A pipe joining tool, comprising:

a mounting bracket for releasable attachment to a pipe, said mounting bracket including:

a U-shaped platform having an intermediate portion for engaging a pipe and a pair of end portions extending from the opposite ends of said intermediate portion in a substantially parallel manner, each of said end portions being provided with a slot; and,

a wedge slidably extending through said slot in each of said end portions for driving a pipe positioned within said U-shaped platform into tight engagement with said intermediate portion;

a flexible link being secured to said mounting bracket and extending therefrom;

a pipe fitting keeper being carried by said flexible link for releasably grasping a pipe fitting and suspending the pipe fitting adjacent the end of a pipe positioned within said U-shaped platform;

a pair of spaced apart legs projecting forwardly from said intermediate portion of said U-shaped platform, each of said spaced apart legs having an internally threaded bore; and,

a pair of bolts each of which being threadably engaged with said internally threaded bore of a respective one of said spaced apart legs such that selective rotation of

said bolts moves a pipe fitting suspended by said pipe fitting keeper into perfect alignment with the end of a pipe positioned within said U-shaped platform.

2. The pipe joining tool according to claim 1 wherein said flexible link includes:

a retaining arm being pivotally fastened to one of said end portions of said U-shaped platform; and,
a turnbuckle being suspended from the free end of said retaining arm and carrying said pipe fitting keeper.

3. The pipe joining tool according to claim 2 wherein said mounting bracket includes a retaining finger extending from one of said end portions of said U-shaped platform, said retaining finger having a transverse aperture, and said flexible link includes a tubular sleeve being pivotally secured to said retaining arm, said tubular sleeve having a longitudinal socket for snugly receiving said retaining finger therein, said tubular sleeve having a transverse bore adapted for axial alignment with said transverse aperture, and said flexible link further including a pin for extension through said transverse aperture and said transverse bore for locking said flexible link to said U-shaped platform.

4. The pipe joining tool according to claim 1 wherein said pipe fitting keeper includes:

a ring for receiving a tubular portion of a pipe fitting therein;

a thumbscrew being threadably engaged with said ring for selectively engaging the tubular portion of a pipe fitting positioned within said ring and securing said pipe fitting to said ring; and,
a retaining hook being secured to said ring for suspending said ring from said turnbuckle.

5. The pipe joining tool according to claim 1 wherein said pipe fitting keeper includes:

a base block having a lateral slot for receiving a portion of a pipe fitting;
a thumbscrew being threadably engaged with said base block and penetrating said lateral slot for engaging the portion of a pipe fitting positioned within said lateral slot and securing said pipe fitting to said block; and,
a retaining hook being secured to said block for suspending said block from said turnbuckle.

6. The pipe joining tool according to claim 1 further comprising a pipe fitting guide releasably clamped upon said wedge for pressing a pipe fitting into engagement with said pair of bolts.

7. A pipe joining tool, comprising:

a mounting bracket for releasable attachment to a pipe;
a flexible link being secured to said mounting bracket and extending therefrom, said flexible link including:
a retaining arm being pivotally fastened to said mounting bracket; and,

a turnbuckle being suspended from the free end of said retaining arm;
a pipe fitting keeper being suspended from said turnbuckle for releasably grasping a pipe fitting and suspending the pipe fitting adjacent the end of a pipe positioned within said mounting bracket;
a pair of spaced apart legs projecting forwardly from said mounting bracket, each of said spaced apart legs having an internally threaded bore; and,
a pair of bolts, each of which being threadably engaged with said internally threaded bore of a respective one of said spaced apart legs such that selective rotation of said bolts moves a pipe fitting suspended by said pipe fitting keeper into alignment with the end of a pipe positioned within said mounting bracket.

8. The pipe joining tool according to claim 7 wherein said mounting bracket includes a retaining finger having a transverse aperture, and said flexible link includes a tubular sleeve being pivotally secured to said retaining arm, said tubular sleeve having a longitudinal socket for receiving said retaining finger, said tubular sleeve also having a transverse bore adapted for axial alignment with said transverse aperture, and said flexible link further including a pin for extension through said transverse aperture and said transverse bore for locking said flexible link to said mounting bracket.

9. The pipe joining tool according to claim 7 wherein said pipe fitting keeper includes:
a ring for receiving a tubular portion of a pipe fitting therein;

a thumbscrew being threadably engaged with said ring for selectively engaging the tubular portion of a pipe fitting positioned within said ring and securing said pipe fitting to said ring; and,
a retaining hook being secured to said ring for suspending said ring from said turnbuckle.

10. The pipe joining tool according to claim 7 wherein said pipe fitting keeper includes:

a base block having a lateral slot for receiving a portion of a pipe fitting;
a thumbscrew being threadably engaged with said base block and penetrating said lateral slot for engaging the portion of a pipe fitting positioned within said lateral slot and securing said pipe fitting to said block; and,
a retaining hook being secured to said block for suspending said block from said turnbuckle.

11. The pipe joining tool according to claim 7 further comprising a pipe fitting guide releasably clamped upon said wedge for pressing a pipe fitting into engagement with said pair of bolts.

12. A pipe joining tool, comprising:

a mounting bracket for releasable attachment to a pipe, said mounting bracket including:
a U-shaped platform having an intermediate portion for engaging a pipe and a pair of end portions extending from the opposite ends of said intermediate

portion in a substantially parallel manner, each of said end portions being provided with a slot;

a retaining finger extending from one of said end portions; and,

a wedge slidably extending through said slot in each of said end portions for driving a pipe positioned within said U-shaped platform into tight engagement with said intermediate portion;

a flexible link being secured to said mounting bracket and extending therefrom, said flexible link including:

a tubular sleeve releasably secured upon said retaining finger;

a retaining arm being pivotally fastened to said tubular sleeve; and,

a turnbuckle being suspended from the free end of said retaining arm;

a pipe fitting keeper being carried by said turnbuckle for releasably grasping a pipe fitting and suspending the pipe fitting adjacent the end of a pipe positioned within said U-shaped platform;

a pair of spaced apart legs projecting forwardly from said intermediate portion of said U-shaped platform, each of said spaced apart legs having an internally threaded bore; and,

a pair of bolts each of which being threadably engaged with said internally threaded bore of a respective one of said spaced apart legs such that selective rotation of said bolts moves a pipe fitting suspended by said pipe fitting keeper into perfect alignment with the end of a pipe positioned within said U-shaped platform.